We build a better future



Equipped with Tier 3 Engine

HL730-9

*Photo may include optional equipment.



HYUNDA

Pleasure works

HYUNDAI

An operator, who takes pleasure in his work, does a better job. That is why we at Hyundai Heavy Industries do everything we can to make that happen. We merged operator preference, fast precision and lasting performance into a quality product. Hyundai 9 Series earthmoving equipment simply makes time fly, makes pleasure work!

HL730

6.7



Machine Walk-Around

Reliable Main Components

Engine Technology

Proven, reliable, fuel efficient, low noise, Tier-III certified Cummins QSB4.5 engine Electronically controlled for optimum fuel to air ratio / Clean and efficient combustion HPCR (High Pressure Common Rail) fuel system / Self-diagnostic system Different operation modes (Power / Standard / Economy) controlled by rotational switch

ZF Full Automatic Transmission

4 automatic modes (Manual / Light / Normal / Heavy) for various applications Protection transmission at low temperature (with Automatic warm-up system) Self-diagnostic & history of alarms Smooth gear shifting by applying proportional controlling modulation valve / Sediu

Smooth gear shifting by applying proportional controlling modulation valve / See adjusting Cratch gap Kick-down button & Forward-Neutral-Reverse switch for increased comfe

Axles

Front axle equipped with Limited slip differential and rear axle equipped of the conventional differential (optional: Rear axle equipped with limited slip differential) for maximum of the optional different ground conditions. Self-adjusting brakes, mounted in wheel hubs

High Durability

"Load sensing – Flow sharing" hydraulic sym methydraiabydisplacement pump Improved cooling system with high resistory e to the selectocks and vibrations Steering cylinder lug & bucket link designed with reinforced and stressless cast steel

Improved Hydraulic yst m

"Load sensing - Flow sharing", hydrollic softem with variable pump technology improves fuel efficiency and reduces energy loss by regulating flowing provider according to load demand.

Enhance Operate Comfort

Improved view

Enlarge is sabin with g ved front window

Exa visib cy with additional glass in the lower door

A win ows nsist of Safety glass

mpi Convenience

Increased cooling & heating capacity with full automatic temperature control Tilting & telescopic steering column and large adjustable wrist rest to meet all operator's preferences Various storage spaces in the cab / Radio & MP3 player with USB-input Stair with large aluminum steps for easy and safe access to the cabin

Advanced Color LCD-display

New color LCD-display with easy to read digital gauges for hydraulic oil temperature, water temperature and fuel level Monitoring system with boom & bucket position settings and payload-system to increase work efficiency and overload prevention

Through the LCD-display, the condition of engine, transmission and other electric devices can be checked with the blink of an eye

Automatic activated rear view camera for easier and safer work

Hi-mate, Hyundai's newly developed remote management system, using GPS-satellite technology, provides our customers with the highest level of service and product support (option)

Easy Maintenance

Reversible, hydraulic driven cooling fan for reduced fuel consumption and low noise Ground level access of service points and sight gauges for easy maintenance Extended life of filters & hydraulic oil

Preference

An operator, who sets his machine to his needs, takes pleasure in his work. 9 Series respects operator preference with regards to comfort, ease-of-use and controllability. The dashboard cluster with 5.7 inch screen is the preference nerve centre.



Spacious and Convenient Cab

The newly designed cabin was conceived for more space, better visibility and increased operator's comfort. The front window is curved with 17% more glass area than our previous series. Special attention was given to a clean and open interior with plenty of visibility on the machine surroundings and the jobsite. A balanced combination of cab ergonomics puts the operator in the perfect position to work safely and securely. The full automatic temperature control features 11 air vents and increased cooling and heating capacity for optimum temperature control. The defroster vents on the front and rear window and an electric pre-heater make working in cold circumstances more convenient.

*Photo may include optional equipment.

Operator Comfort

In a 9 series cabin you can easily adjust the steering column and wrist rest to meet your preferred comfort level. A pilot-operated joystick offers high controllability of your hydraulic attachments. A Forward-Neutral-Reverse switch

on the joystick facilitates selection of travel direction. Roll-up type sun visor on the front window and optional on the rear window allow the operator to reduce glare and to improve visibility. Heated rearview mirrors for quick defrosting during cold weather conditions.



Tilting / telescopic steering column

Stressless

Work is stressful enough. Your working environment should be stressless. Hyund 19.9 set as provides improved cabin interior, additional storage space and a comfortable seat to minimize the stress of the operator. A powerful climate control system provides the operator with his preferred air temperature. A bady not haudio system with AM/FM stereo and MP3 player with USB input, is installed to listen to your preferred music far brites.

Advanced LCD-display



The advanced cluster with 5.7 thich wate color CD-display allows the operator to select his personal machine preferences the operator can preset boom kick-out and bucketlevel position while monitoring to prefer ed settings through the monitor. An integrated payload-system (optional, bives a clear indication of your load on the monitor and contributes to high to work efficiency. Self-diagnostics, automatic activated rear-view camera, mainterince to eck his and startup machine security are integrated into the monitor to make the clack be more versatile and the operator more productive. The LCDdisplay is mounted of an djustable swivel bracket to meet the operator's preference.





Performance

HL730-9

An operator, who can rely on his machine, takes pleasure in his work. 9 Series stand for lasting performance in strength, speed and reliability. The innovative hydraulic system makes the 9 Series wheel loader fast, smooth and easy to control.

YUND

Improved Durability & Reliability



Enhanced axles improve driving on uneven ground conditions. Self adjusting brakes that automatically compensate disc wear, reduce service intervals and improve brake performance. The new load sensing hydraulic system with a variable volume piston pump and closed center main control valve, provide efficient hydraulic power and additional energy savings.

Completely redesigned, parallel-mounted coolers with non-louvered fins make our 9 series easy to clean and easy to service.

All coolers are designed with aluminum bar plate configuration and undergo extended factory tests for thermal shocks and vibrations to assure long term durability Top mounted non-louvered aluminum air condenser and variable displacement compressor are designed for maximum cooling capacity and energy savings. The redesigned steering cylinder lug and bucket link are made of cast for additional strength and reliability.

Various Operating Modes



9 series wheel loaders are designed to allow the operator to custor the cachine's engine power, automatic transmission shift timing and clutch cut-off back of the opplication and operator's preference. Convenient rotational switches allow easy adjustment of endine power mode, automatic mode and clutch cut-off mode. Additionally, the 9 series when be derived by the standard of engine power mode, additional of a series when be equipped with an optional ride control system. The ride control of the mass, shock absorbing accumulator that cushions the boom cylinders, in order to improve operator's confort and to reduce material loss. The versatility of the 9 series operating modes control by test in rowed productivity, enhanced operator comfort and reduced fuel consumption. comfort and reduced fuel consumption.



3 Engine Power Modes Power Mode : Heavy duty work Standard Mode : General work Economy Mode : Light duty work

4 Transmission Shi, Modes

Manual M Je Auto-Ligh Mode Light buty & long distance carry Auto-Normal Code : Coneral loading & uto-Hear, Mode - Heavy duty loading & retract g heavy material

3 Clutch Cut-Off Modes

Low Mode : Short distance & fast loading Medium Mode : General loading High Mode : Loading on a slope

Cummins **OSB** 4.5 Engine

he Cullimins QSB4.5 electronic control engine combines ority electronic controls with reliable performance. fù. The mbination of a high pressure common rail system and avanced in-cylinder combustion technology results in increased power and reduced fuel consumption. The QSB4.5 uses advanced electronic controls to meet the emission standards EPA Tier3 and EU Stage IIIA.



Full Automatic Transmission

A full automatic transmission is implemented for maximum durability, minimum power loss, high travel speed and low noise. Improved clutch control and fluent shifting, contribute to a smoother ride. Transmission faults are recorded and accessible through the monitor.

Profitable

An owner, who knows his machine saves money, takes pleasure in owning it. 9 Series wheel loaders contribute to your business as a time, fuel, spare-part and cost saving earthmoving solution. The optional Remote Management System allows machine owners to track, monitor and manage at a distance.



Hi-mate (Option)

Hi-mate, Hyundai's newly developed remote management system, using GPS-satellite technology, provides our customers with the highest level of service and product support. Hi-mate enables machine owners to follow-up machine performance, to verify machine location and to access diagnostic information on a distance through any internet connection.



Easy Access

The cooling fan and fan motor are integreed into the rear door for easy access and regular main, gance. Concenient location of coolant and transmission oil gauge, make checking fluid levels fast and efficient. Access from go und to fuel and oil filters, grease fittings, electric fuses, electronic components, combined with large open compartments, makes privicing the 9 Series wheel loader a pleasure for your many bics.



Hydraulic driven Cooling Fai

The remote mounted, hydroulic enven cooling fan regulates fan speed according to actual temperatures of engine coolant, air intake, trans dission oil and hydraulic oil. This new fan des an refuces car consumption and machine noise. The utomate or manual auto reverse function blows rebristed to the coolers.



Fenders and Mud Flaps (Option)

9 series wheel loaders are equipped with full rear fenders and front and rear mud flaps (optional) to reduce spatters on the cabin and the machine frame.





Extended Life of Components

9 series machines are designed for extended lubrication intervals and life of components. Long life hydraulic filters last up to 1,000 hrs and Hyundai certified "long-life hydraulic oil" only needs to be changed every 5,000 hrs. Also, a new center pivot roller bearing, now double tapered, requires less maintenance. Long life and extended wear components save time and money for machine owners.

Hydraulic Oil filter (1,000 hr) Hydraulic Oil (5,000 hr)

Specifications

ENGINE

Maker/Model	CUMMINS QSB4.5	Bore x Stroke	107 mm (4.21") x 124 mm (4.88")
Туре	4-cycle, turbocharged,	Displacement	4.5 ℓ (275 cu in)
	charge air-cooled direct injection, electronic controlled diesel engine	Compression ratio	17.2
Gross power	125 HP (93 kW) / 2,100 rpm	Air cleaner	Dry, dual eleme
Net power	123 HP (92 kW) / 2,100 rpm	Alternator	7 v; 70 Amp
Maximum torque	56 kg.m (408 lb.ft) / 1,400 rpm	Battery	2 x V, 100 A
No. of cylinders	4	Starting motor	24 v,v

* No derating for continuous operating required up to 2,133 m (6,998 ft). This engine meets the EPA (Tier III) / EU (Stage III-A) Emission regulation.

TRANSMISSION

Torque converter type	3-elements, single-stage	Travel speed		km/h (mph)
	single-phase	Forward	1st	6.1 (3.8)
 Full automatic power shift, countershaft type with Properly matched torque converter to engine and 	soft-shift in range and direction.		2n	11.2 (7.0)
working ability.			\sim	22.2 (13.8)
			4th	37.2 (23.1)
		Rever		6.4 (4.0)
			2.	11.8 (7.3)
			3rd	23.4 (14.5)

AXLES

Mount o. ¹ ating real axle	Dif
Rear axle oscillation (- 12 otal 24°)	Re

Hub reduction	Planetary reduction at wheel end
Differential	Front : limited Slip Rear : conventional
Reduction ratio	22.0

HYDRAULIC SYSTEM

Туре	Lad-sensing hydraulic system
Pump Varia	(33.3 gal/min)@governed rpm
Control valve	2 spool (Bucket, Boom) 3 spool (Bucket, Boom, Aux) Pilot –operated Joystick
System pressure	250 kgf/cm ² (3.556 psi)

Bucket Controls	Туре	Pilot operated lift and tilt circuit single-lever joystick control standard			
Lift Circuit		The valve has four functions: raise, hold, lower and float. An adjustment for automatic kick-out from horizontal to full lift is installed.			
	Tilt Circuit	The valve has three functions: tilt back, hold and dump. An adjustment for automatic bucket position to the preferred load angle is installed.			
Cylinders		Type : Double acting No. of cylinders-bore x stroke;			
Lift HL730-9/730XTD-9/730TM-9 Tilt HL730-9/730XTD-9 HL730TM-9		2-ø 100 mm x 750 mm (3.9" x 29.5") ø 110 mm x 510 mm (4.3" x 20.1") 2-ø 90 mm x 775 mm (3.5" x 30.5")			
Cycle Time		HL730-9 / HL730XTD-9	HL730TM-9		
Raise (with load) Dump Lower (empty) Total		5.4 sec 1.0 sec 2.8 sec 9.2 sec	5.4 sec 1.4 sec 2.8 sec 9.6 sec		

BRAKES

Service Brakes	Hydraulic actuated, wet disc brakes on all wheels Independent axle-by-axle Self adjusting & integrated in wheel hub
Parking Brake	Spring-applied, hydraulical released, integrated in front axle
Emergency Brake	When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

SERVICE REFILL CAPACITIES

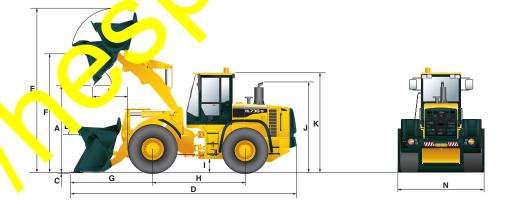
Fuel tank	218 liters (57.6 USgal)
Cooling system	30 liters (7.9 USgal)
Crankcase	11 liters (2.9 USgal)
Transmission	20 liters (5.3 USgal)

OVERVIEW

Description		UNIT	HL730-9	HL730XTD-9	HL730TM-9
Operating weight		kg (lb)	9,800 (21,600)	10,000 (22,050)	10,200 (22,500)
Dualitat Canadita	Heaped	m³ (yd³)	1.9 (2.5)	1.9 (2.5)	1.7 (2.2)
Bucket Capacity	Struck	m³ (yd³)	1.6 (2.1)	1.6 (2.1)	1.45 (1.9)
Breakout force-bucket		kg (lb)	9,150 (20,170)	9,070 (20,000)	9,961 _ 1,-
Tipping load	Straight	kg (lb)	7,900 (17,420)	7,120 (15,700)	(ر 14,8) 0 <mark>ر</mark> 6
	Full turn	kg (lb)	6,900 (15,210)	6,130 (13,510)	5,000 (1 /90)

DIMENSIONS

Туре		Load-sensing hydrostatic articulated steering
Pump		Piston pump, max. 126 (ann (33.3 gal/min)@governa (rpm
Relief Valve Settin	g	210 kg2,986
Cylinder	Туре	Double a ng
	Bore x Stroke	60 mm x 412 mm2")
Steering Angle		40° (each direction)
Features - Centre-point - Tilt and teles	scopic steering column	
Front axle		17.7 liters (4.7 USgal)
Rear axle		17.7 liters (4.7 USgal)
Hydraulic tank		121 liters (32.0 USgal)
Hydraulic system,	. Iudin <mark>y ank'</mark>	154 liters (40.7 USgal)
TIRES		
Тре		Tubeless, loader design tires
St. ard		17.5-25, 12 PR, L3
Options include		17.5-25, 12 PR, L2 17.5 R25 XHA*

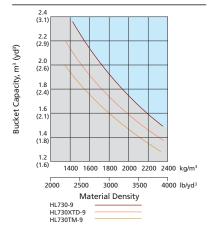


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Descripti		UNIT	HL730-9	HL730XTD-9	HL730TM-9	
	Pucket pe			General purpose	e bolt-on cutting e	dge
A. D. ing clearance at max. heigh. d 45° dump angle.		mm (ft-in)	2,700 (8' 10")	3,035 (9' 11")	2,785 (9' 2")	
В.	Reach	full lift	mm (ft-in)	1,040 (3' 5")	1,010 (3' 4")	1,130 (3' 8")
B. Reach	Reach	7ft height	mm (in)	1,470 (4' 10")	1,730 (5' 8")	1,600 (5' 3")
C. Digging depth		mm (ft-in)	103 (4.1")	117 (4.6")	95 (3.7")	
D	Querall length	on ground	mm (ft-in)	6,950 (22' 10")	7,240 (23' 9")	7,060 (23' 2")
D.	Overall length	at carry	mm (ft-in)	6,895 (22' 7")	7,205 (23' 8")	6,870 (22' 6")
E. Overall height (fully raised)		mm (ft-in)	4,850 (15' 11")	5,190 (17')	4,900 (16' 1")	
F. Bucket pivot max. height		mm (ft-in)	3,640 (11' 11")	3,980 (13' 1")	3,795 (12' 5")	

Description			UNIT	HL730-9	HL730XTD-9	HL730TM-9	
G.	G. Front overhang		mm (ft-in)	2,365 (7' 9")	2,655 (8' 9")	2,470 (8' 1")	
Η.	H. Wheelbase		mm (ft-in)	2,750 (9')	2,750 (9')	2,750 (9')	
I.	Ground clearance		mm (ft-in)	370 (1' 3")	370 (1' 3")	370 (1' 3")	
J.	Height over exhaust		mm (ft-in)	3,010 (9' 11")	3,010 (9' 11")	3,010 (9' 11")	
К.	Height over cab		mm (ft-in)	3,170 (10' 5")	3,170 (10' 5")	3,170 (10' 5")	
	Roll-back angle	on ground	deg	42	42	50	
L.		at carry	deg	47	49	54	
M.	I. Dump angle		deg	48	48	50	
	Clearance circle		mm (ft-in)	11,020 (36' 2")	11,300 (37' 1")	11,100 (36' 5")	
Ν.	Overall width		mm (ft-in)	2,450 (8')	2,450 (8')	2,400 (7' 10")	

STEERING SYSTEM

BUCKET SELECTION GUIDE



STANDARD EQUIPMENT

Electrical system

Alternator, 70A Alarms, audible and visual

- air filter clogging
- transmission error
- alternator voltage
- brake oil pressure - engine oil pressure
- parking brake
- fuel level
- hydraulic oil temperature
- coolant temperature
- service brake oil pressure

Back-up Alarm Batteries, 850 CCA, 12V, (2)

Gauges

- engine coolant temperature
- fuel level
- hydraulic oil temperature - speedometer
- transmission oil temperature
- voltmeter

Horn, electric

- Indicator lights
- clutch cut-off
- high beam
- turn signal - working lights
- LCD Display
- clock and fault code
- operating hours

24-volt to 12-volt DC converter

Auxiliary, 2 work g lights front

roof (Xenon wo. ing lights

air conditioner only

OPTIONAL EQUIPMENT

hts

on type

- engine rpm

Climate control :

- heater only

Auxiliary, 2 working

3 piece cutting edge, bo

on rear roof

Beacon light

- transmission gear indicator - job time and distance

- temperature
 - (coolant, hydraulic oil, T/M oil)
 - Lighting system
 - LED dome lights
 - 2 stop and tail lights - 4 turn signals
 - brake lights (counterweight)
 - 2 head lights on front chassis
 - 2 working lights on cabin roof
 - (front) - 2 working lights on cabin roof
 - (rear) Switches
 - clutch cut-off
 - hazard - Ignition key, start/stop switch
 - main lights (working and head lights)
 - parking brake
 - rear wiper & washer - battery master switch
 - pilot-system cut-off
 - Starter, electric Starting and charging system
 - (24-volt)

Rear D

adu

Mud flaps

e extin

- (sound suppressed and with :

..... Jal : lim

410 kg 4 lb)

Hydraulic control, 2 lever

draulic control, 3 lever

3 spool for auxiliary function

Joystick with travel switch (FNR)

isher

lift arrangement with

nal counterweight,

Operator suit Ride control system

Heated rear view mirrors (2 outside) Seat

- 2" static seat belt & adjustable mechanical suspension(vinyl)
- 3" static seat belt & adjustable mechanical suspension
- 2" retractable seat belt & adjustable air suspension (heated)

Tires - 17.5 - 25, 12PR, L2 - 17.5 R25 XHA* Tool kit Tooth, 1 piece, bolt-on type Guards crankcase

- transmission Wheel chock HI-Mate (Remote Management _rweigh

Change in static

tipping load-straight

. kg (lb)

-43 (-95)

+57 (+126)

Fuel/water separator

exhaust stack

Starting aid (air

Brakes : Service,

ont Diffe

ear Differen

electro

Hydraulics

Τo

Trans

rking brake

n conv lei

Water sensor

Power Tra

Muffler, under hood with lar

Rain cap, engine air inta

Radiator (de-aeration type)

wet-

tial

quick-shin, eatures included

ansmission oil cooler

Automatic boom kickout

Diagnostic pressure taps

Steering, load-sensing

Articulation locking bar

Coolant level sight gauge

Hydraulic system,

Others

Automatic bucket positioner

- 2 spool, single lever, pilot control

for boom and bucket actuation

Remote cooling fan, hydraulically-

driven, temperature sensing type

n fuel

eater)

.ed slip

l : conventional

soft shift, auto-shift and

on, computer-controlled,

Fuel warmer

Door and cat cks, one key fits all Door e access(locking) Drawbar with pin e oil level dipstick gauge. Ergonomically located and slip resistant, left & right - handrails - ladders - platforms - steps

Change in static

tipping load-40°

turn kg (lb)

-38 (-84)

+50 (+110)

Fenders (front/rear) Guard, bucket cylinder rod Hydraulic oil level sight gauge License plate bracket Lift and tie-down hooks Cushioned steering stops Tires (17.5-25, 12PR,L3) Transmission oil site level Vandalism protection cap locks

System) Rear view camera Dual-brake pedal Roll-up type sun visor (rear window) License plate & lamp Pre-cleaner engine air intake

optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. Imperia asure of the nearest pound or inch.

SE. NTACT PI

HYUNDAI HEAVY INDUSTRIES FUROPE **CONSTRUCTION EQUIPMENT**

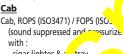
Hyundai Heavy Industries Europe N.V. VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

www.hyundai.eu

- cigar lighter & tray
- Wrist rest Radic JB pla Enche Anti eeze naine. (

d slip

Cab



w En Jiesel, Tier-III ting modes 3 op. er/standard/economy · pc Engi doors, lockable me fuel priming pump guard

- coat hook

- defroster

front and rear

can and cup

Automatic temperature control

- intermittent wiper and washer,

2" retractable seat belt & adjustable

Roll-up type sun visor (front window)

Jaal

suspension seat with armrests

Tilt / telescopic steering column

Steering wheel with knob

Tinted safety glass

Magazine pocket

one accelerator

one brake p

Rubber floor mat

Pedals

air conditioner & heater

Personal storage space: holder,

Rear view mirrors (2 inside)

Rear view mirrors (2 outside)

SUPPLEMENTAL SPECIFICATIONS

Description

17.5-25 12PR L2

17.5 R25 XHA*

Change in operating

weight kg (lb)

-60 (-132)

+80 (+176)

nmins B4.5